SEQUENCE LISTING

<110> Chenchik, Alex
      Munishkin, Alexander
      Simonenko, Peter

<120> Long Oligonucleotide Arrays

<130> CLON015

<140> 09/440,829
<141> 1999-11-15

<160> 38

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 293
<212> DNA
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<220>
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<400> 1
ggccaggata ccaaagcctt acaggacttc ctcctcagtg tgcagatgtg cccaggtaat   60
cgagacactt actttcacct gcttcagact ctgaagaggc tagatcggag ggatgaggcc   120
actgcactct ggtggaggct ggaggcccaa actaaggggt cacatgaaga tgctctgtgg   180
tctctccccc tgtacctaga aagctatttg agctggatcc gtccctctga tcgtgacgcc   240
ttccttgaag aatttcggac atctctgcca aagtcttgtg acctgtagct gcc   293

<210> 2
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> gene-specific primer s64

<400> 2
cggccaggat accaaagcct tacag   25

<210> 3
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s64_2

<400> 3
acctagaaag ctatttgagc tggatccgtc cctctgatcg tgacgccttc cttgaagaat   60

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ttcggacatc tctgccaaag t  tgtgacc tgtagctgcc a                              101
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<210> 4
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<212> DNA
<213> Artificial Sequence

<220>
<223> probe s64_2_90

<400> 4
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agaaagctat tgagctgga tccgtccctc tgatcgtgac gccttccttg aagaatttcg      60
gacatctctg ccaaagtctt gtgacctgta                                       90
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<210> 5
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<212> DNA
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<220>
<223> probe s64_2_80

<400> 5
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agctatttga gctggatccg tccctctgat cgtgacgcct tccttgaaga atttcggaca      60
tctctgccaa agtcttgtga                                                  80
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<210> 6
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s64_2_70

<400> 6
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atttgagctg gatccgtccc tctgatcgtg acgccttcct tgaagaattt cggacatctc      60
tgccaaagta                                                             70
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<210> 7
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s64_2_60

<400> 7
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agctggatcc gtccctctga tcgtgacgcc ttccttgaag aatttcggac atctctgcca      60
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<210> 8
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> probe s64_2_50

<400> 8
aatccgtccc tctgatcgtg acgccttcct tgaagaattt cggacatcta   50

<210> 9
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s62_2

<400> 9
aaacccagga aaataccaaa tccagatttc tttgaagatc tggaaccttt cagaatgact   60
ccttttagtg ctattggttt ggagctgtgg tccatgacct a   101

<210> 10
<211> 90
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s62_2_90

<400> 10
aggaaaatac caaatccaga tttctttgaa gatctggaac ctttcagaat gactcctttt   60
agtgctattg gtttggagct gtggtccata   90

<210> 11
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s62_2_80

<400> 11
aataccaaat ccagatttct tgaagatct ggaacctttc agaatgactc cttttagtgc   60
tattggtttg gagctgtgga   80

<210> 12
<211> 70
<212> DNA
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<220>
<223> probe s62_2_70

<400> 12
aaaatccaga tttctttgaa gatctggaac ctttcagaat gactcctttt agtgctattg   60

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gtttggagca   70

<210> 13
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s62_2_60

<400> 13
acagatttct tgaagatct ggaacctttc agaatgactc cttttagtgc tattggttta   60

<210> 14
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s62_2_50

<400> 14
attctttgaa gatctggaac ctttcagaat gactcctttt agtgctatta   50

<210> 15
<211> 102
<212> DNA
<213> Artificial Sequence

<220>
<223> probe c370_2

<400> 15
agggtcagct gatctacgag tctgccatca cctgtgagta cctggatgaa gcatacccag   60
ggaagaagct gttgccggat gaccccctatg agaaagcttg ca   102

<210> 16
<211> 90
<212> DNA
<213> Artificial Sequence

<220>
<223> probe c370_2_90

<400> 16
aagctgatct acgagtctgc catcacctgt gagtacctgg atgaagcata cccagggaag   60
aagctgttgc cggatgaccc ctatgagaaa   90

<210> 17

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<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> probe c370_2_80

<400> 17
aatctacgag tctgccatca cctgtgagta cctggatgaa gcatacccag ggaagaagct   60
gttgccggat gacccctata   80

<210> 18
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> probe c370_2_70

<400> 18
acgagtctgc catcacctgt gagtacctgg atgaagcata cccagggaag aagctgttgc   60
cggatgacca   70

<210> 19
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> probe c370_2_60

<400> 19
actgccatca cctgtgagta cctggatgaa gcatacccag ggaagaagct gttgccggaa   60

<210> 20
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> probe c370_2_50

<400> 20
aatcacctgt gagtacctgg atgaagcata cccagggaag aagctgttga   50

<210> 21
<211> 102

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<212> DNA
<213> Artificial Sequence

<220>
<223> probe s91_3

<400> 21
aggcccaaa tggctggaaa tctcgcctat ttaggcattc tactcagaaa aaccttaaaa   60
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<210> 22
<211> 90
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s91_3_90

<400> 22
acaaatggct ggaaatctcg cctatttagg cattctactc agaaaaacct taaaaattca   60
caaatgtgtc agaagagcct tgatgtggaa   90

<210> 23
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s91_3_80

<400> 23
aggctggaaa tctcgcctat ttaggcattc tactcagaaa aaccttaaaa attcacaaat   60
gtgtcagaag agccttgata   80

<210> 24
<211> 70
<212> DNA
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<220>
<223> probe s91_3_70

<400> 24
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agaagagcca   70

<210> 25

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<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s91_3_60


<400> 25
actcgcctat ttaggcattc tactcagaaa aaccttaaaa attcacaaat gtgtcagaaa          60

<210> 26
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s91_3_50


<400> 26
actatttagg cattctactc agaaaaacct taaaaattca caatgtgta                      50

<210> 27
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s97_4


<400> 27
ataggagggg tgaagcccag ctgctcatga acgagtttga gtcagccaag ggtgactttg          60
agaaagtgct ggaagtaaac ccccagaata aggctgcaag a                             101

<210> 28
<211> 90
<212> DNA
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<220>
<223> probe s97_4_90


<400> 28
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gtgctggaag taaaccccca gaataaggca                                           90
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<210> 29
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s97_4_80


<400> 29
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ggaagtaaac ccccagaata                                                  80

<210> 30
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s97_4_70


<400> 30
accagctgct catgaacgag tttgagtcag ccaagggtga ctttgagaaa gtgctggaag      60
taaaccccca                                                            70

<210> 31
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s97_4_60


<400> 31
atgctcatga acgagtttga gtcagccaag ggtgactttg agaaagtgct ggaagtaaaa      60

<210> 32
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s97_4_50
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<400> 32
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<210> 33
<211> 102
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s74_3


<400> 33
atatgtaact gaagaaggtg acagtccttt gggtgaccat gtgggttctc tgtcagagaa          60
attagcagca gtcgtcaata acctaaatac tgggcaagtg ta          102

<210> 34
<211> 90
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s74_3_90


<400> 34
aaactgaaga aggtgacagt cctttgggtg accatgtggg ttctctgtca gagaaattag          60
cagcagtcgt caataaccta aatactggga          90

<210> 35
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s74_3_80


<400> 35
aaagaaggtg acagtccttt gggtgaccat gtgggttctc tgtcagagaa attagcagca          60
gtcgtcaata acctaaataa          80

<210> 36
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s74_3_70
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caataaccta                                                            70

<210> 37
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s74_3_60



<400> 37
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<210> 38
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> probe s74_3_50



<400> 38
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